Vol. 15 No. 1

SAFE TRANSFUSION

CONTENTS

Editorial 1
Gail A. Rock

Theme Editorial: Risk Management in Transfusion Medicine 3
James P. Isbister

Principles of Risk Management 5
Hamish Mark Tweeddale

Risk Management in Transfusion: an Historical Overview 15
James P. Isbister

Safe Transfusion: Perspective from the Blood Supply Agency 19
Gordon Whyte

Risk Management in Transfusion Medicine: a Hospital Transfusion Service Perspective 27
Barbara Stuckey, John Hounsell

The Clinician's Approach to the Management of Risk 37
James P. Isbister

INTERNATIONAL FORUM

An Overview of Laboratory and Clinical Aspects of Leucocyte-depleted Blood Components 49
M. J. Seghatchian

CURRENT TRENDS: EVOLVING CONCEPTS IN TRANSFUSION MEDICINE

Potential Alternatives to Platelet Transfusion 63
Kenneth C. Anderson

SUBMITTED PAPERS

Are Frequent Platelet Apheresis Donors with Borderline Lymphopenia at Risk of Worsening Lymphopenia and of Decreasing Immunoglobulins? 67
Victor A. Silva

***In Vitro* Properties of Additive Suspended Red Cells Collected into a Dextrose-free Anticoagulant** 73
A. Farrugia, P. Dennington, S. Douglas, A. Kleinig, S. Gutowski

A Severe Anaphylactoid Reaction During Cascade Filtration in a Patient Receiving ACE Inhibitors 79
Gustavo Mazzi, Maurizio Govoni, Antonino Raineri, Liliana Santarossa, Dina De Roia, Bianca Maria Orazi

Hepatitis C Virus RNA in Blood Units with Antibodies Detectable by a Second-generation Passive Hemagglutination Assay, Antibodies to Synthetic Core Peptides or Elevated Transaminase Levels 83
Satoko Fukuda, Takashi Suzuki, Ryozo Nagayama, Fumio Tsuda, Maki Kojima, Hiroaki Okamoto, Takeshi Tanaka, Yuzo Miyakawa, Makoto Mayumi

Evaluation of the Fresenius Cell Separator AS 104 for Harvesting Peripheral Blood Stem Cells in Pediatric Patients 93
Kurt Leibundgut, Joseph Muff, Andreas Hirt, Heike Mitschulat, Urs E. Nydegger, Annette Ridolfi Lüthy, Andreas Tobler, Hans P. Wagner

NEW PATENTS i

UPCOMING EVENTS v

Vol. 15 No. 2

BLOOD STORAGE

CONTENTS

Editorial 101
Gail A. Rock

Theme Editorial: Processing and Storage of Red Cells and Platelets 103
Gary Moroff

Extending the Storage of Red Cells at 4°C 105
Harold T. Meryman, Marne Hornblower, Ralph Syring, Nooshin Mesbah-Karimi

Platelet Storage in a Liquid Environment 117
S. Holme

Prestorage Leukocyte Reduction of Cellular Blood Components 131
Sunny Dzik

The Influence of Gamma Irradiation on Red Cell and Platelet Properties 141
Gary Moroff, Naomi L. C. Luban

INTERNATIONAL FORUM: SAUDI ARABIA

Proposal for an International Controlled Randomized Multicenter Study of Plasma Exchange Followed by Pulsed Cyclophosphamide vs Pulsed Cyclophosphamide in Treatment of Severe Behçet's Disease 149
S. S. Bernvil

SUBMITTED PAPERS

Cytocidal Effect of Antitumor Antibiotics *In Vitro*—Application to Intraoperative Salvaging Autotransfusion During Removal of Malignancies **155**
Masuhiko Takaori, Akira Fukui

Storage of Saline–Adenine–Glucose–Mannitol Suspended Red Cells in Diethylhexyl Phtalate and Butyryl-*n*-trihexyl-citrate Plasticized Polyvinyl Chloride Containers. An *In Vitro* Comparative Study **163**
L. Muylle, M. Vanderplanken, W. Goossens, M. Stewart, J. M. Payrat

Enhancing the Efficacy of Preoperative Autologous Blood Donation by Erythropoietin **171**
Barbara Schlaeppi, Paul Günter, Urs E. Nydegger

SHORT COMMUNICATION: Effect of Filtration, Storage and Platelet Suspension Media on Platelet Indices **179**
Pranee Krailadsiri, Jerhard Seghatchian

UPCOMING EVENTS ..... **i**

Vol. 15 No. 3

GRAFT-VERSUS-HOST DISEASE

CONTENTS

Editorial **185**
Gail A. Rock

Theme Editorial: Graft-versus-Host Disease **187**
H. Joachim Deeg

The Role of Alloreactive Cytotoxic and Lymphokine-secreting T Lymphocytes in the Development of Acute Graft-versus-Host Disease **189**
Matthias Theobald

Cellular and Molecular Mechanisms of Graft-versus-Host Disease **197**
James L. M. Ferrara

Molecular and Biological Actions of Cyclosporin A and FK506 on T Cell Development and Function **207**
Georg A. Holländer, Barbara E. Bierer, Steven J. Burakoff

Effect of HLA Incompatibility in Marrow Transplantation from Unrelated and HLA-mismatched Related Donors **221**
Claudio Anasetti, John A. Hansen

Management of Acute Graft-versus-Host Disease **231**
Daniel J. Weisdorf

Graft-versus-Host Disease and the Development of Late Complications **243**
H. Joachim Deeg

INTERNATIONAL FORUM: THE U.K.

A Forum Discussion on Circles of Dependence of Quality in the Blood Transfusion Community **255**
M. J. Seghatchian

SUBMITTED PAPERS

Recovery of Both Acute Massive Pulmonary Hemorrhage and Acute Renal Failure in a Systemic Lupus Erythematosus Patient with Lupus Anticoagulant by the Combined Therapy of Plasmapheresis Plus Cyclophosphamide **283**
De-Feng Huang, Shih-Tzu Tsai, Soo Ray Wang

Composition and Immunoreactivity of Serum Low Density Lipoproteins (LDL) Before and After LDL-apheresis on Dextran Sulfate–Cellulose Columns **289**
Hassan Gandjini, Philippe Gambert, Anne Athias, Christiane Mousson, Gérard Rifle, Christian Lallemant

Falsely Low Calcium Measurements After High Volume Plasma Exchange in a Patient with Liver Failure **299**
John P. Miller, Paul D. Mintz

Anti-hepatitis C Virus Serology in Patients Affected with Congenital Coagulation Defects: A Comparative Study Using Three Second Generation ELISA Tests **303**
Rossella Paolini, Piero Marson, Mariangela Vicarioto, Giuseppe Ongaro, Marialisa Viero, Antonio Girolami

SHORT COMMUNICATION: Results with New Software for Plateletpheresis Systems **313**
Rainer Moog, Norbert Müller

UPCOMING EVENTS ..... **i**

Vol. 15 No. 4

SELECTED PROCEEDINGS FROM THE 9TH ANNUAL MEETING OF THE EUROPEAN SOCIETY FOR HAEMAPHERESIS

CONTENTS

Editorial **319**
Gail A. Rock

Theme Editorial **321**
S. J. Urbaniak

Regulatory Review of Cellular and Gene Therapies: An Overview of the Process **323**
G. E. Marti, S. Bauer, R. K. Puri, Philip D. Noguchi

Peripheral Blood Stem Cell Transplants in Lymphoma **331**
A. J. Bell

Stem Cell Procurement and Transplantation in Paediatric Patients **339**
Paul Höcker, Wolfgang Emminger, Ch. Peters

Quality of Plasma for Fractionation—Does it Matter? **343**
James K. Smith

Aspects of Platelet Storage **351**
Claes F. Högman

Leucocyte Contamination of Platelet Products **357**
A. Brand

A Contribution to the Indications for Platelet Transfusion and Determination of its Therapeutic Efficacy **361**
Volker Kretschmer, Bernd Huss, S. Weber, S. Bewarder, Thomas Schulzki, H. Köppler, J. Heimanns

Treatment of Polyarteritis Nodosa and Churg-Strauss Syndrome: Indications of Plasma Exchanges **371**
Loïc Guillevin, François Lhote

A Randomized Trial Comparing Intravenous Immunoglobulin and Plasma Exchange in Guillain-Barré Syndrome **389**
R. P. Kleyweg, F. G. A. van der Meché, P. I. M. Schmitz

Immune Modulating Effects of Intravenous Immunoglobulin (IVIg) in Autoimmune Diseases **393**
Luc Mouthon, Srinivas Kaveri, Michel Kazatchkine

Treatment of Automimmune Disease by Immunomodulation Through Extracorporeal Elimination and Intravenous Immunoglobulin **409**
H. Borberg, C. Jimenez, M. Belàk, W. F. Haupt, P. Späth

Technical and Clinical Experience with Protein A Immunoadsorption Columns **419**
M. Belàk, H. Borberg, C. Jimenez, K. Oette

Clinical Applications of Protein A Immunoadsorption in Thrombocytopenic Disorders **423**
Robert B. Howe, Douglas J. Christie

Extracorporeal Photochemotherapy: A Scientific Overview **429**
Irena Sniecinski

Treatment of Sézary Syndrome with Extracorporeal Photochemotherapy **439**
N. P. Smith. L. Mountford, Y. Ng, A. Hamblin, D. Mitchell, M. F. Spittle, S. J. Whittaker

Extracorporeal Photochemotherapy: Evaluation of Two Techniques and Use in Connective Tissue Disorders **443**
G. Andreu, A. Leon, F. Heshmati, M. Tod, C. J. Menkes, J. Baudelot, L. Laroche

Intraoperative Red Cell Retrieval in a Multiple Theatre Programme **455**
P. L. Baele

Autologous Blood Pre-deposit and Cell Salvage in Orthopedic Surgery **463**
Francesco Mercuriali, Giovanni Inghilleri, Elena Biffi, Antonio Vinci, Maria Teresa Colotti, Roberto Scalamogna

The Allen Latham Award Lecture: Specific Immunotherapy for Autoimmune Disease **471**
Martin Lockwood

INTERNATIONAL FORUM: FORMER YUGOSLAVIA

Application of Therapeutic Plasma Exchange in Hematology **481**
Milan Radović, Bela Balint, Ljerka Tiška-Rudman, Ljubomir Milenković, Jovan Taseski

Draft Press Release: National Blood Authority for England Appoints New Medical Director **485**

HEMAPHERESIS LISTENING POST

Hemapheresis versus Intravenous IgG: A Debate for the 21st Century **487**
David Ciavarella

Treatment of Guillain-Barré Syndrome: Listening Carefully to the Music Before Jumping On The Bandwagon **490**
Robert Weinstein

UPCOMING EVENTS ..... **i**